## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION            | INITIALS  | ID NO. | DATE    |
|---------------------|-----------|--------|---------|
| FEE DETERMINATION   | SIN       | 71072  | 8/5/99  |
| O.I.P.E. CLASSIFIER |           | 10     | 8-10-99 |
| FORMALITY REVIEW    | <i>OW</i> | 72346  | 8-23-45 |

## INDEX OF CLAIMS

| • | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
| = | Allowed                    | - 1 | Interference |
| _ | (Through numeral) Canceled | Α   | Appeal       |
| ÷ | Restricted                 | 0   | Objected     |

|                 |       | _        |              |               |              |              |  |  |          |            |          |          |     |            |          |          |                |          |          |          |          |          |           |          |          |    |                |            |          |          |              |  |               |                    |           |          |               |
|-----------------|-------|----------|--------------|---------------|--------------|--------------|--|--|----------|------------|----------|----------|-----|------------|----------|----------|----------------|----------|----------|----------|----------|----------|-----------|----------|----------|----|----------------|------------|----------|----------|--------------|--|---------------|--------------------|-----------|----------|---------------|
| G               | _     | <u></u>  | Date         |               |              |              |  |  |          |            |          | ]        | Cta | Claim Date |          |          |                |          |          |          |          |          |           |          | Cla      | im | Date           |            |          |          |              |  |               |                    |           |          |               |
| Final           |       | Orlginal | 5605         | duloa         | cape/o/      |              |  |  |          |            |          |          |     | Final      | Original |          |                |          |          |          |          |          |           |          |          |    | Final          | Original   |          |          |              |  |               |                    |           |          |               |
| F               | -14   | U        | Š            |               | Η            | Г            | Г  | T                                      | Т        | Г          |          | Г        | 1   |            | 51       |          | П              |          |          | П        |          |          |           |          | Г        |    |                | 101        | Τ        | Τ        | Γ            | Г  | $\vdash$      |                    | $\Box$    | П        |               |
|                 | Ŧ     | 3        | $\checkmark$ | V             | lш           |              |  |  |          |            |          |          | ]   |            | 52       |          |                |          |          |          |          |          |           |          |          |    |                | 102        |          |          |              |  |               |                    |           |          |               |
| Ξ               | $\pm$ | 7        | ¥            | $\forall$     | Ш            |              |  |  |          |            |          |          | ]   |            | 53       |          |                |          |          |          |          |          |           |          |          |    |                | 103        | L        |          |              |  |               |                    |           |          |               |
| _               | 1     | Ã        | K            | X             | Ш            |              |  | L                                      | L        | Ŀ          | ┖        | L        |     |            | 54       |          |                |          |          |          |          |          |           |          |          |    | Ш              | 104        | $\perp$  |          | L            |  |               |                    | Ш         | Ш        | _             |
| =               | #     | 3        | 0            | Y,            | F            | Ŀ            | <u> </u>   | Ļ.                                     | ┡        | <u> </u>   | ┡        | ┞        | 1   | $\vdash$   | 55       |          | <u> </u>       | ┝        | Н        | $\dashv$ | Ч        |          | Ц         | _        | <u> </u> |    | -              | 105        | +        | Ľ        | ⊢            | ⊢  | Н             | Ш                  | Н         | Н        | _             |
| F               | 7     | Ź        | 9            | Y             | F            | H            | ⊢  | $\vdash$                               | -        | ⊢          | ┡        | ⊢        | ł   |            | 56<br>57 | _        | H              | $\vdash$ | Н        | $\dashv$ | $\vdash$ | _        | 4         | Н        | ┝        |    |                | 106<br>107 | ┿        | ⊢'       | <del> </del> | -  | -             |                    | ⊢         | H        | -             |
| F               | 3     | Ó        | Y            | Ž             | E            | ┝            | -  | ┢                                      | H        | ┢          | $\vdash$ | ⊢        | 1   | -          | 58       |          | ┢╌             | $\vdash$ | Н        | $\dashv$ | $\vdash$ | $\vdash$ | $\exists$ |          | ┝        |    |                | 108        | ┿        | ┝        | ┝            | ┝  | -             | -                  | ┌─┤       | $\vdash$ | $\vdash$      |
|                 | Ⅎ     | B        | Ž            | Ž             |              | ┢            |  | ┢                                      | 1        | t          | Н        | Н        | 1   | $\vdash$   | 59       |          | Н              | H        | H        | $\dashv$ | $\vdash$ |          | Н         | H        | $\vdash$ |    | -              | 109        | +        | Н        | ┢            | ┢  | -             |                    | П         | Н        | $\overline{}$ |
| -               | 1     | Ý        | _            | Ž             | 1            | -            | <del>                                     </del> | ✝                                      | T        | ┢          |          | Т        | 1   |            | 60       |          | П              | $\vdash$ | П        | П        |          |          | П         |          | $\vdash$ |    | -              | 110        | ✝        | $\vdash$ | T            | _  |               | П                  | П         | $\sqcap$ | Γ             |
| -               | 7     | 4        | V            | Ż             |              | Г            | Г  |  | Г        | ऻ          | Г        | 7        | 1   | $\vdash$   | 61       |          |                |          |          |          |          |          |           |          |          |    | П              | 111        | 1        | Г        | T            |  | ·             |                    | П         | П        | _             |
| Ε               | 4     | Φ.       | Ð            | ~             |              |              |  |  |          |            |          |          | ] : |            | 8        |          |                |          |          |          |          |          |           |          |          | ĺ  |                | 112        |          |          |              |  |               |                    | $\Box$    |          |               |
| Ŀ               | 1     | ¥        | Ð            | ✔             | Ш            |              |  |  |          | 匚          |          | L        | ]   |            | 63       |          |                |          |          |          |          |          |           |          |          |    |                | 113        | <u> </u> | L        | L            | _  |               | Щ                  | Ш         |          | _             |
| _ _             | ١,    | 1        | X            | Υ,            | =            | _            | ╙  | _                                      | <u> </u> | L          | 1_       | _        | l   | $\perp$    | 64       |          | <u> </u>       | Щ        | Ш        |          |          |          | _         |          |          |    |                | 114        | ↓        |          | <u>ļ</u> _   | _  |               | Ш                  | Ш         | Ш        |               |
| :  <del>-</del> | #     | Š        | M            | Υ,            | Ë            | L            | <u> </u>   | -                                      | L        | <b> </b> _ | ⊢        | L        | ł   | $\vdash$   | 65       |          | <u> </u>       | $\vdash$ | Н        | Ц        | $\dashv$ |          | _         | _        | <u> </u> |    | -              | 115        | ┿        | L        | ⊢            | <u> </u>   | Ш             | ш                  | 니         | Н        | _             |
| ⊢               | -     | 16<br>17 | 0            | _             | Y            | <del> </del> | ⊢  | ⊢                                      | ┝        | ╀          | -        | H        | 1   | -          | 68<br>67 |          | <del>  -</del> | ┝        | -        | $\vdash$ |          | _        | _         | _        | -        |    | -              | 116<br>117 | ╫        | ⊢        | ┢            | ⊢  | -             | H                  |           | Н        | Ė             |
| ٠Ŀ              |       |          | Ž            | Y,            | ≌            | -            | ┢  | ┝                                      | ┝        | ⊢          | ⊢        | $\vdash$ | ┨   | $\vdash$   | 68       | _        | -              | $\vdash$ | Н        | $\dashv$ | -        |          | -         | _        | ⊢        |    | -              | 118        | ╁        | ⊢        | ╫            | ٠,   | $\vdash$      | Н                  | Н         | Н        |               |
| É               | 7     | 4        | ð            | ¥             | Ш            | ┝            |  | ┢                                      | ⊢        | <u> </u>   | 1.       |          | 1.  | $\vdash$   | 69       | _        | H              | $\vdash$ | Н        | $\vdash$ |          |          | Н         |          | $\vdash$ |    | -              | 119        | ╁╾       | ┝        | ┢            | i -  |               |                    |           |          | $\vdash$      |
| F               |       |          |              | V             | V            | H            |  | ١.                                     | 1        | ┢          | -        | -        | 2   | $\vdash$   | 70       |          | _              | Н        | Η.       | Н        |          |          | Н         |          | H        |    | $\vdash$       | 120        | ١,       | t        | $\vdash$     | -  |               | П                  | П         | П        | Ì.            |
| -               | f     | 21       | =            | Ż             | J            | H            |  | ┢                                      | 1        | +-         |          |          | ١.  |            | 71       |          | $\vdash$       | $\vdash$ |          | Н        | $\dashv$ |          | Н         |          | H        |    | Н              | 121        | ╁        | ┢╌       | ✝            | H  |               | ,                  | Н         | . 1      | ÷             |
|                 |       |          |              | Ż             | V            | Г            | 1/2  | Ť                                      |          | ·          |          | ٠.       | 1   |            | 72       |          | $\vdash$       |          |          |          |          |          | -         |          |          |    | П              | 122        | T        | T        | Г            | F  | Г             | Г                  |           | <b>-</b> | Γ             |
| οZ              |       | 23       |              |               | $\checkmark$ |              | 3,   |  | ٧.       | 7 3        | .5       |          | 1   |            | 73       |          | •              |          |          |          |          |          |           |          |          |    |                | 123        | ŀ        | ·        |              |  | _             | $\dot{H}$          | 7         |          | -             |
| ्री             |       | 3        |              |               | У            | -:           | '.Į  | ·                                      | Ŀ        | L          | <u>.</u> | Ŀ        | ]   |            | 74       |          |                |          | ١.       |          |          |          |           |          |          |    | -              | 124        | 1        | L        | L            |  |               |                    | $\Box$    |          | 1             |
| ` L             |       | 25       |              |               | V            | Ŀ            | 1.   | Ŀ                                      |          | -}         | į,       |          |     | L          | 75       |          | L              | L        | Ш        | Ш        |          |          |           | Ŀ        | _        | ŀ  | -              | 125        | ┸        | ┖        | 辶            | L  | 匚             | Ш                  | 4         | Ш        | Ĺ             |
|                 | _     | 26       |              | Щ             | Ÿ,           | * ;          |  | L                                      | Ŀ        | <u> :</u>  | -        | L        | Į.  |            | 76       | _        | ·              | $\vdash$ | Ш        | Щ        | Щ        |          | Щ         |          | L        |    | _              | 126        | +        | ⊢        | ⊢            | ļ  | <u> </u>      | Ш                  | -         | Ш        | <u> </u>      |
| ÷⊢              | _     | 27<br>28 | ÷            | . *           | У            | Ŀ            | -  | ŀ                                      | ┞        | -          | ļ.,      | -        | ł   | $\vdash$   | 77<br>78 | _        |                | $\vdash$ | Н        | Н        |          | _        | Н         |          | ┡        |    |                | 127<br>128 | ╀        | ├        | ├            | ┝  | <del> -</del> | H                  | اتــا     | H        | ÷             |
| ;  -            |       | 29       | -            | <u> </u>      | 肣            | ⊢            | ├  | _                                      | ┝        | ⊢          | ⊢        | ⊢        | ł   | $\vdash$   | 79       | _        | $\vdash$       | H        | Н        |          |          | $\dashv$ | $\vdash$  | -        | ┝        |    | -              | 129        | ╁        | ⊢        | ⊢            | ⊢  | ⊢             | Н                  |           | H        | -             |
| :  -            | _     | 30       | _            |               | <del>Y</del> | ⊢            | ┝  | H                                      | ┢        | ┢          | ┢        | ┢        | ł·  | -          | 80       | -        | H              | -        | H        |          |          |          | Н         | -        | ┝        |    |                | 130        | +        | ╁        | ⊢            | ┝  | ╁             | Н                  | H         | H        | -             |
| .  -            | _     | 31       |              | $\overline{}$ | 7            | -            | t  | ┢                                      | Н        | r          | ╁╴       | ┢        | 1   | $\vdash$   | 81       | _        |                |          |          | Н        | П        | -        | Н         | Н        | H        | ŀ  | $\blacksquare$ | 131        | ╁        | ┢        | $\vdash$     | ┪  | <del> </del>  | <del>  </del>      | $\vdash$  | Н        | -             |
|                 | _     | 32       |              |               | Ž            | $\vdash$     |  | Г                                      |          | T          | 1        | ┢        | 1 1 | $\vdash$   | 82       | П        |                | Н        | П        | П        |          |          |           | Т        | T        |    |                | 132        | ╁        | T        | $\vdash$     | Т  |               |                    |           | П        | Г             |
| ; <u> </u>      |       | 33       |              |               | V            |              |  |  | Γ        |            |          |          | 1   |            | 83       |          |                |          |          |          |          |          |           |          |          |    |                | 133        |          |          |              |  |               |                    |           |          |               |
| Ĺ               | _1    | 3        | <u> </u>     |               | $\checkmark$ |              |  |  |          |            | П        |          | ]   |            | 84       |          |                |          |          |          |          |          |           |          |          |    |                | 134        |          |          | L            |  |               |                    |           |          |               |
| " <b>`</b>      |       | 35       |              | Ŀ             | $\checkmark$ | _            | Ļ  | L                                      | L        |            | 上        | L        |     |            | 85       |          |                | _        | Ш        | Ц        | Щ        |          | Щ         |          | L        |    |                | 135        | ┸        | Ļ        | ╙            | L  | ╙             | igspace            | Ш         | Щ        | _             |
| ٠. <b> </b>     |       | 9        | ,            |               | M,           | <u> </u>     | ┞  | Ŀ                                      | ╙        | ┞          | Ļ.       | ┡        | 1   | <u> </u>   | 86       |          | ╚              | Ш        |          |          |          |          |           | _        | L        |    |                | 136        | ╀        | ┡        | ▙            | <b>⊢</b>   | ▙             | $\vdash$           | Ш         |          | <u> </u>      |
| 1               |       | 37<br>38 | _            | -             | Y,           | <u> -</u>    | ┞  | ┡                                      | ┡        | ⊢          | ┞        | ┡        | ł   | $\vdash$   | 87<br>88 |          | ┞              | $\vdash$ | Ш        | Н        | Ш        |          | _         |          | ┡        |    | -              | 137        | +        | ┞        | ╀            | ⊢  | ▙             | $\vdash$           | H         | H        | H             |
| \$              | -     | 39       | ٠.           |               | ~            | H            | ⊢  | ⊢                                      | ⊢        | ⊢          | ├-       | ┝        | -   | $\vdash$   | 89       |          | <u> </u>       | ⊢        | $\vdash$ | Н        |          |          |           | _        | $\vdash$ |    | $\vdash$       | 138        | ╂        | ┢        | ┝            | ┢  | -             | H                  | Н         | $\vdash$ | $\vdash$      |
| : -             | -     | 38<br>49 | -            | H             | $\vdash$     | -            | $\vdash$   | $\vdash$                               | ⊢        | ╁          | ╁        | $\vdash$ | 1   | $\vdash$   | 90       | Н        | $\vdash$       | $\vdash$ | $\vdash$ | Н        | Н        | Н        | H         | $\vdash$ | $\vdash$ |    | -              | 140        | ╁╌       | ╁        | 1-           | $\vdash$   | $\vdash$      | $\vdash$           | ┌┤        | Н        | $\vdash$      |
| . <b>-</b>      | -     | -        | ÷            | ┝             | $\vdash$     | ┢            | ╁  | $\vdash$                               | ╁        | ┢          | $\vdash$ | ┢        | 1   | $\vdash$   | 91       | -        | ┢              | -        | -        | $\dashv$ | -        |          | -         | $\vdash$ | -        | ١. | _              | 141        | +        | ╁        | $\vdash$     | ┢  | $\vdash$      | $\vdash$           | Н         | Н        | $\vdash$      |
| $\cdot$         | +     | 42       | _            | $\vdash$      | $\vdash$     | ┝            | H  | $\vdash$                               | ╁        | 十          | $\vdash$ | $\vdash$ | 1   | $\vdash$   | 92       | -        | H              |          | $\vdash$ | Н        | $\vdash$ | Н        | -         | -        | ┝        |    |                |            | +        | ╁        | ╁            | $\vdash$   | $\vdash$      | $\vdash$           | Н         | Н        | $\vdash$      |
| ちんとなるながればい      | 1     | 43       | Н            | ŕ             | H            | $\vdash$     | H  | t                                      | $\vdash$ | t          | t        | t        | 1   | -          | 93       | Н        | Н              | Н        | $\vdash$ | H        | Н        | H        |           | -        | $\vdash$ |    | Н              | 142<br>143 | +        | †=       | ┢            | t  | $\vdash$      | М                  | $\vdash$  | H        | $\vdash$      |
| $\langle      $ | †     | 44       |              | F             | 1            | $\vdash$     | T  |  | Т        | T          | T        | Т        | 1   | $\vdash$   | 94       |          | Т              | Г        | П        | H        | П        | П        |           | Н        | Г        | 1  | $\sqcap$       | 144        | $\top$   | T        | T            | <del>                                     </del> | $\vdash$      | Г                  | Н         | М        | Г             |
| 4               | 1     | 45       | ·            |               |              |              | Г  |  | T        | T          | T        | Γ        | 1   |            | 95       |          |                | Г        | Г        | П        |          | $\Box$   | _         |          | Г        | 1  |                | 145        | T        | İ        |              |  |               | Г                  |           | П        |               |
| ΥE              | Ī     | 46       |              |               |              | Ľ            |  |  |          |            |          |          | ]   |            | 96       |          |                |          |          |          |          |          |           |          |          | 1  |                | 146        |          | L        |              |  |               | $\Box$             |           |          |               |
| 引し              | ŀ     | 47       |              |               |              |              |  |  | Ľ        |            |          |          |     |            | 97       |          |                | Ĺ        |          |          |          |          |           |          |          | l  |                | 147        |          | Ĺ        |              |  |               | $oxedsymbol{oxed}$ | $\square$ | $\Box$   | Ĺ             |
| <i>y</i> .      | 1     | 48       | Ĺ            | L.            | Ĺ            | L            |  | Ļ                                      | L        | $\Box$     | Ĺ        |          | 1   |            | 98       |          | L              | Ĺ        |          |          |          |          |           | Ĺ        | L        | l  | L              | 148        | $\perp$  | L        | $\perp$      | L  | <u> </u>      | _                  | Ш         | $\Box$   | Ĺ             |
| 4               | 1     | 49       | Ľ            | <u> </u>      | L            | _            | <u> </u>   | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | Ļ        | $\perp$    | ╙        | <u> </u> | 1   |            | 99       | <u> </u> | L              | L        | Щ        | Щ        | L        | Ц        | Щ         | L        | <u> </u> | 1  | <u>\`</u>      | 149        | 4        | ╀        | ـ            | ┞  | $\vdash$      | ⊢                  | ⊢         | Ц        | L             |
| ٠.٠١            | 1     | 50       |              | l             | I            | l            | L_   | 1                                      | 1        | 1          | 1        | ı        | 1   | 1          | ΠOO      | ١.       | ı              | ı        | r i      | 1        | 1        |          | 1         | ı        | ı        | ı  | 1              | 150        | 1_       | 1_       | 1            | 1  | 1             | Ш                  | نا        | L        | ட             |

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